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TI Exhaust gas sensor for motor vehicle - has sensing element, which outputs correction information based on output of detecting element and measured oxygen concentration.

DC H06 J04 S03 X22

PA (NITS) NGK SPARK PLUG CO LTD

CYC 1

PI JP--10267895 A 19981009 (199851)* 20p G01N-027-419 <--

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IC ICM G01N-027-419

ICS G01N-027-04

AB JP--10267895 A UPAB: 19981223

The sensor (1) has a concentration detector (16) consisting of semiconductor oxide, whose electrical resistance value varies depending upon concentration of gas composition in exhaust gas. The individual composition of gas components in the exhaust gas is detected by a detecting element (2) corresponding to output of concentration detector. The oxygen concentration in the exhaust gas is measured using a sensing element (3). A correction information for correcting the detected concentration information is output by the sensing element, based on output of detecting element and measured oxygen concentration.

ADVANTAGE - Enables to detect exhaust gas components, precisely. Facilitates detection of oxygen concentration for wide range. Prevents combustion of flammable components, thereby raises sensitivity.

Dwg.2/29

FS CPI EPI

FA AB; GI

MC CPI: H06-C04; J04-C04

EPI: S03-E03; S03-E14P1; X22-A05B